

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

BrainPeps

RRID:SCR_008851

Type: Tool

Proper Citation

BrainPeps (RRID:SCR_008851)

Resource Information

URL: <http://brainpeps.ugent.be/>

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Description: Database of blood-brain barrier properties of peptides including structure, method, responses, physicochemical properties and related literature. The database is linked to a manuscript entitled Brainpeps: the blood-brain barrier peptide database, in which the BBB methods and responses are clarified and correlated to each other. Data may be submitted for addition to the database.

Abbreviations: Brainpeps

Synonyms: Brain Peps

Resource Type: data or information resource, database, service resource, storage service resource, data repository

Defining Citation: [PMID:22205159](#)

Keywords: peptide, intravenous injection, efflux study, immortal cell line, brain slice, ultracentrifugation, bui method, capillary depletion, iam-hplc, indicator diffusion, bmec, shake flask, non-cerebral cell line, in vitro equilibrium dialysis, microdialysis, imaging techniques, quantitative autoradiography, antinociception, hplc, in situ brain perfusion, (co)-culture, mbua, ultrafiltration, cisternal puncture, bei method, gibbs adsorption isotherm, pampa, blood-brain barrier, brain, permeability, distribution, data set

Funding: Institute for the Promotion of Innovation through Science and Technology in Flanders IWT-Vlaanderen 73402

Availability: Acknowledgement requested, The community can contribute to this resource

Resource Name: BrainPeps

Resource ID: SCR_008851

Alternate IDs: nlx_149082

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260808T185921+0000

Ratings and Alerts

No rating or validation information has been found for BrainPeps.

No alerts have been found for BrainPeps.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Alves PA, et al. (2025) Computational Modeling of Pharmaceuticals with an Emphasis on Crossing the Blood-Brain Barrier. Pharmaceuticals (Basel, Switzerland), 18(2).

de Oliveira ECL, et al. (2022) Biological Membrane-Penetrating Peptides: Computational Prediction and Applications. Frontiers in cellular and infection microbiology, 12, 838259.